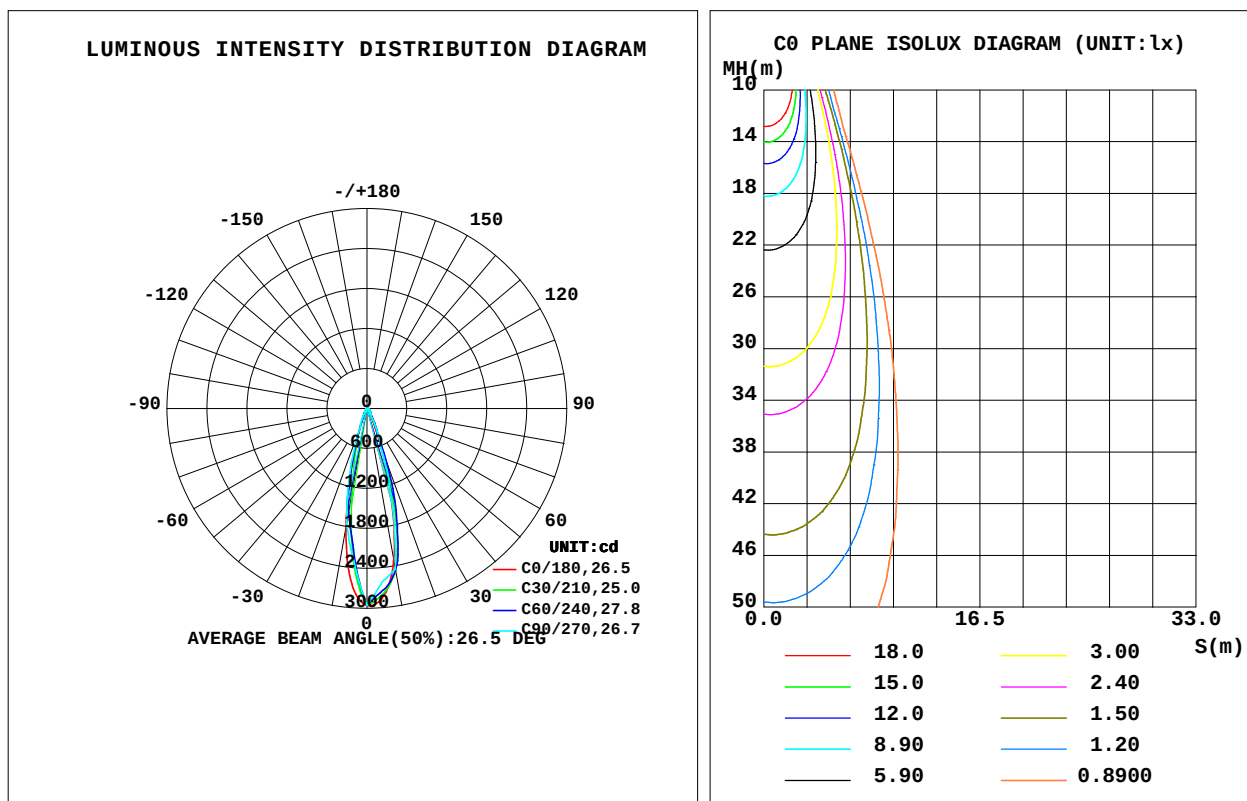


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:150.14V I:0.1220A P:10.077W PF:0.5503 Freq:50.00Hz Lamp Flux:723.098x1 lm					
NAME: 6449		TYPE:10W-2700K		WEIGHT:	
SPEC.:		DIM.: 110*100*85mm		SERIAL No.:01	
MFR.: NORDECOR		SUR.:		Shielding Angle:24°	

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 71.76 lm/W
MODEL		I _{max} (cd)	2961	S/MH(C0/180)		0.39
NOMINAL POWER(W)	10	LOR(%)	100.0	S/MH(C90/270)		0.40
RATED VOLTAGE(V)	85-265V	TOTAL FLUX(lm)	723.10	h UP, DN(C0-180)		0.0,56.1
NOMINAL FLUX(lm)	723.098	CIE CLASS	DIRECT	h UP, DN(C180-360)		0.0,43.9
LAMPS INSIDE	1	h up(%)	0.0	CIBSE SHR NOM		0.00
TEST VOLTAGE(V)	220	h down(%)	100.0	CIBSE SHR MAX		1.00



H_(b) Range: -90 - 90DEG
 H_(b) Interval: 1.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2026-09-07

V(B) Range: -80 - 80DEG
 V(B) Interval: 5.0DEG
 Test System:EVERFINE G0-2000A_V1 SYSTEM V2.00.411
 Humidity:65.0%
 Test Distance:7.000m [K=1.0000]
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

g	C0	C45	C90	C135	C180	C225	C270	C315	g	F zone	F total	%lum, lamp
10	2314	2440	2450	1737	1824	1438	1754	1925	0- 10	223.0	223.0	30.8, 30.8
20	642.7	995.3	599.5	374.2	335.9	295.7	307.6	625.8	10- 20	317.1	540.1	74.7, 74.7
30	101.7	140.0	109.6	88.96	82.52	73.49	73.20	91.05	20- 30	108.0	648.1	89.6, 89.6
40	43.15	46.28	44.39	35.95	37.01	30.30	31.20	35.49	30- 40	38.70	686.8	95, 95
50	19.70	19.20	19.70	13.56	14.99	10.26	11.87	14.21	40- 50	19.80	706.6	97.7, 97.7
60	5.637	4.982	7.421	4.279	5.837	3.586	4.635	3.777	50- 60	8.181	714.8	98.8, 98.8
70	3.632	3.511	4.727	3.471	3.814	2.969	3.372	3.138	60- 70	4.049	718.8	99.4, 99.4
80	2.870	2.558	2.619	2.312	2.635	2.356	2.518	2.605	70- 80	3.045	721.9	99.8, 99.8
90	2.175	0	0	0	2.024	0	0	0	80- 90	1.243	723.1	100, 100
100									90-100			
110									100-110			
120									110-120			
130									120-130			
140									130-140			
150									140-150			
160									150-160			
170									160-170			
180									170-180			
DEG	LUMINOUS INTENSITY:cd									UNIT: lm		

Conical surface Flux(90deg): 698.44 lm

%lum = 96.6%

%lamp = 96.6%

Conical surface Flux(120deg): 714.76 lm

%lum = 98.8%

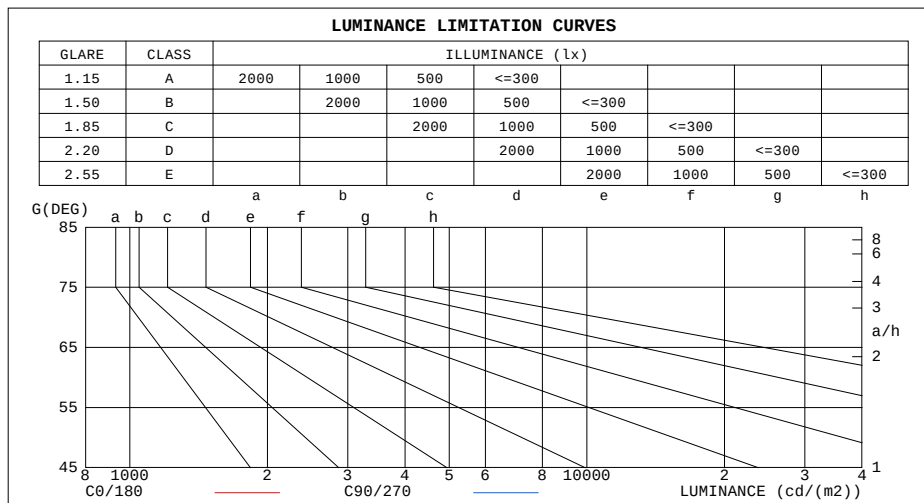
%lamp = 98.8%

H_(b) Range:-90 - 90DEG
 H_(b) Interval: 1.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2026-09-07

V(B) Range:-80 - 80DEG
 V(B) Interval: 5.0DEG
 Test System:EVERFINE G0-2000A_V1 SYSTEM V2.00.411
 Humidity:65.0%
 Test Distance:7.000m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:150.14V I:0.1220A P:10.077W PF:0.5503 Freq:50.00Hz Lamp Flux:723.098x1 lm		
NAME: 6449	TYPE:10W-2700K	WEIGHT:
SPEC.:	DIM.: 110*100*85mm	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:24°



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	274	0
80	165	151
75	123	141
70	106	138
65	104	143
60	113	148
55	199	235
50	307	307
45	417	449

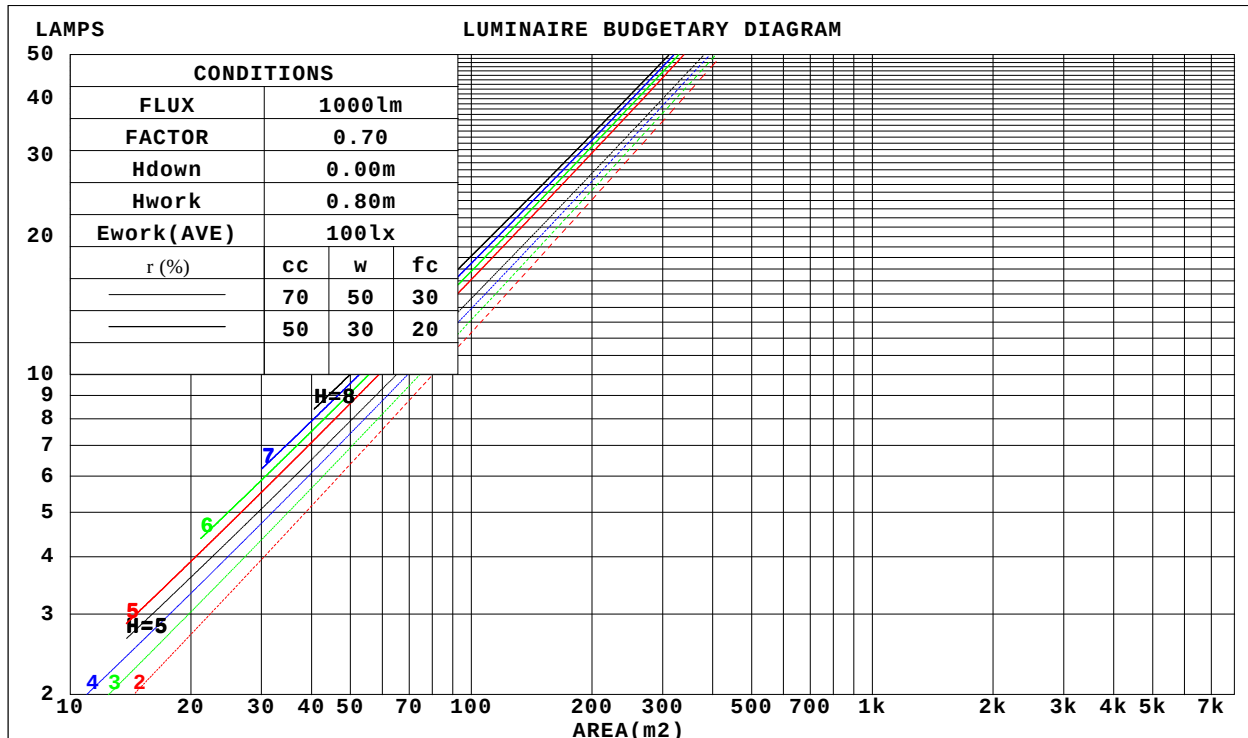
H_(b) Range: -90 - 90DEG
H_(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2026-09-07

V(B) Range: -80 - 80DEG
V(B) Interval: 5.0DEG
Test System: EVERFINE G0-2000A_V1 SYSTEM V2.00.411
Humidity: 65.0%
Test Distance: 7.000m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:150.14V I:0.1220A P:10.077W PF:0.5503 Freq:50.00Hz Lamp Flux:723.098x1 lm		
NAME: 6449	TYPE:10W-2700K	WEIGHT:
SPEC.:	DIM.: 110*100*85mm	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:24°

r CC	80%			70%			50%			30%			10%			0
r W	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
r fc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio Coefficients of Utilization(CU)															
0.0	1.19	1.19	1.19	1.16	1.16	1.16	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	.00
1.0	1.12	1.10	1.08	1.10	1.08	1.07	1.06	1.05	1.03	1.02	1.01	1.00	.99	.98	.97	.96
2.0	1.06	1.03	1.00	1.05	1.02	.99	1.02	.99	.97	.99	.97	.95	.96	.94	.93	.92
3.0	1.01	.97	.94	.90	.96	.93	.97	.94	.92	.95	.93	.91	.93	.91	.89	.88
4.0	.97	.93	.89	.96	.92	.89	.94	.90	.88	.92	.89	.87	.90	.88	.86	.85
5.0	.93	.88	.85	.92	.88	.85	.90	.87	.84	.89	.86	.83	.87	.85	.83	.81
6.0	.89	.85	.81	.89	.84	.81	.87	.83	.81	.86	.83	.80	.85	.82	.80	.79
7.0	.86	.82	.78	.85	.81	.78	.84	.81	.78	.83	.80	.77	.82	.79	.77	.76
8.0	.83	.79	.76	.83	.78	.75	.82	.78	.75	.81	.77	.75	.80	.77	.75	.73
9.0	.80	.76	.73	.80	.76	.73	.79	.75	.73	.78	.75	.72	.78	.75	.72	.71
10.0	.78	.74	.71	.78	.73	.71	.77	.73	.70	.76	.73	.70	.76	.72	.70	.69



H_(b) Range: -90 - 90DEG
H_(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2026-09-07

V(B) Range: -80 - 80DEG
V(B) Interval: 5.0DEG
Test System: EVERFINE G0-2000A_V1 SYSTEM V2.00.411
Humidity: 65.0%
Test Distance: 7.000m [K=1.0000]
Remarks:

WEC AND CCEC

Test:U:150.14V I:0.1220A P:10.077W PF:0.5503 Freq:50.00Hz Lamp Flux:723.098x1 lm		
NAME: 6449	TYPE:10W-2700K	WEIGHT:
SPEC.:	DIM.: 110*100*85mm	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:24°

r _{cc}	80%			70%			50%			30%			10%			0
r _w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
r _{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio Wall Exitance Coefficients(WEC)															
0.0																
1.0	.149	.085	.027	.143	.081	.026	.130	.075	.024	.119	.068	.022	.108	.063	.020	
2.0	.139	.076	.023	.133	.073	.023	.123	.068	.021	.113	.064	.020	.105	.059	.019	
3.0	.129	.069	.021	.125	.067	.020	.116	.063	.019	.108	.059	.018	.101	.056	.017	
4.0	.121	.063	.019	.117	.061	.018	.110	.058	.017	.103	.055	.017	.097	.053	.016	
5.0	.114	.058	.017	.111	.057	.017	.105	.054	.016	.099	.052	.015	.093	.050	.015	
6.0	.108	.054	.015	.105	.053	.015	.100	.051	.015	.095	.049	.014	.090	.047	.014	
7.0	.102	.051	.014	.100	.050	.014	.095	.048	.014	.091	.047	.014	.087	.045	.013	
8.0	.097	.048	.013	.095	.047	.013	.091	.046	.013	.087	.044	.013	.084	.043	.012	
9.0	.093	.045	.013	.091	.044	.012	.087	.043	.012	.084	.042	.012	.081	.041	.012	
10.0	.089	.043	.012	.087	.042	.012	.084	.041	.012	.081	.040	.011	.078	.039	.011	

r _{cc}	80%			70%			50%			30%			10%			0
r _w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
r _{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio Ceiling Cavity Exitance Coefficients(CCEC)															
0.0	.190	.190	.190	.163	.163	.163	.111	.111	.111	.064	.064	.064	.020	.020	.020	
1.0	.169	.158	.147	.145	.135	.127	.099	.093	.088	.057	.054	.051	.018	.017	.016	
2.0	.152	.133	.117	.130	.114	.101	.089	.079	.070	.051	.046	.041	.016	.015	.013	
3.0	.137	.113	.094	.118	.098	.082	.081	.068	.057	.047	.040	.034	.015	.013	.011	
4.0	.125	.098	.077	.108	.085	.067	.074	.059	.047	.043	.035	.028	.014	.011	.009	
5.0	.115	.086	.064	.099	.074	.056	.068	.052	.040	.039	.031	.023	.013	.010	.008	
6.0	.106	.076	.054	.092	.066	.047	.063	.046	.033	.037	.027	.020	.012	.009	.007	
7.0	.099	.068	.046	.085	.059	.040	.059	.041	.029	.034	.024	.017	.011	.008	.006	
8.0	.093	.061	.040	.080	.053	.035	.055	.037	.025	.032	.022	.015	.010	.007	.005	
9.0	.087	.056	.035	.075	.048	.030	.052	.034	.022	.030	.020	.013	.010	.007	.004	
10.0	.082	.051	.031	.071	.044	.027	.049	.031	.019	.029	.018	.011	.009	.006	.004	

H_(b) Range: -90 - 90DEG
H_(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2026-09-07

V(B) Range: -80 - 80DEG
V(B) Interval: 5.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity: 65.0%
Test Distance: 7.000m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:150.14V I:0.1220A P:10.077W PF:0.5503 Freq:50.00Hz Lamp Flux:723.098x1 lm											
NAME: 6449						TYPE:10W-2700K			WEIGHT:		
SPEC.:						DIM.: 110*100*85mm			SERIAL No.:01		
MFR.: NORDECOR						SUR.:			Shielding Angle:24°		
ceiling/cavity	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3	
walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3	
working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	
Room dimensions		Viewed crosswise					Viewed endwise				
x = 2H y = 2H	2.5	3.2	2.7	3.4	3.5	3.3	4.0	3.5	4.2	4.3	
	3H	2.6	3.3	2.9	3.5	3.7	3.6	4.3	3.9	4.5	4.7
	4H	2.8	3.4	3.0	3.6	3.8	3.9	4.5	4.1	4.7	4.9
	6H	3.0	3.6	3.3	3.9	4.1	4.1	4.7	4.4	4.9	5.2
	8H	3.2	3.8	3.5	4.0	4.3	4.2	4.7	4.5	5.0	5.2
	12H	3.5	4.0	3.8	4.3	4.6	4.1	4.7	4.4	4.9	5.2
4H	2H	2.5	3.1	2.7	3.3	3.5	3.2	3.9	3.5	4.1	4.3
	3H	2.7	3.2	3.0	3.5	3.8	3.7	4.3	4.0	4.5	4.8
	4H	2.9	3.4	3.2	3.7	4.0	4.0	4.5	4.4	4.8	5.1
	6H	3.3	3.7	3.6	4.0	4.4	4.4	4.9	4.8	5.2	5.6
	8H	3.5	4.0	3.9	4.3	4.7	4.5	5.0	4.9	5.3	5.7
	12H	3.9	4.3	4.3	4.7	5.1	4.5	4.9	4.9	5.3	5.6
8H	4H	3.0	3.4	3.4	3.8	4.1	4.1	4.5	4.5	4.8	5.2
	6H	3.5	3.9	4.0	4.3	4.7	4.6	5.0	5.0	5.4	5.8
	8H	4.0	4.3	4.4	4.7	5.1	4.8	5.1	5.2	5.5	5.9
	12H	4.5	4.8	5.0	5.2	5.7	4.8	5.0	5.2	5.5	5.9
12H	4H	3.0	3.4	3.4	3.8	4.2	4.1	4.4	4.5	4.8	5.2
	6H	3.6	3.9	4.1	4.4	4.8	4.7	5.0	5.1	5.4	5.8
	8H	4.1	4.4	4.6	4.8	5.3	4.8	5.1	5.3	5.6	6.0
Variations with the observer position at spacings:											
S = 1.0H	+ 1.3 / - 1.8					+ 1.0 / - 1.4					
1.5H	+ 1.8 / - 2.2					+ 1.6 / - 1.3					
2.0H	+ 2.8 / - 1.9					+ 2.3 / - 1.6					

CIE Pub.117, 723.1 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -1.1)
Area: 0.1 m2

H_(b) Range:-90 - 90DEG
H_(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2026-09-07

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE G0-2000A_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:7.000m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:150.14V I:0.1220A P:10.077W PF:0.5503 Freq:50.00Hz Lamp Flux:723.098x1 lm		
NAME: 6449	TYPE:10W-2700K	WEIGHT:
SPEC.:	DIM.: 110*100*85mm	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:24°

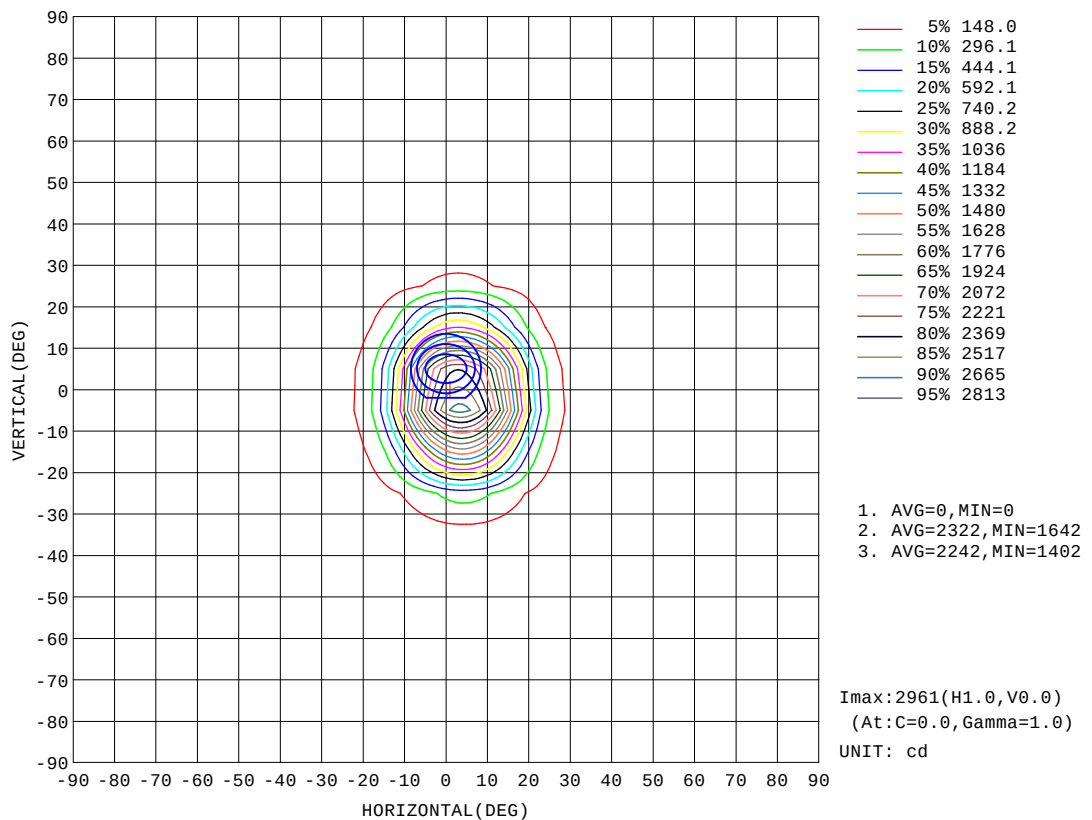
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	88	82	79	88	82	79	87	82	78	75
0.80	96	90	86	95	90	86	94	89	86	82
1.00	100	94	91	99	94	91	97	94	90	86
1.25	104	99	95	103	98	95	101	97	94	90
1.50	106	102	98	105	101	98	103	99	97	93
2.00	109	105	102	107	104	101	105	102	99	94
2.50	110	107	104	109	105	103	106	103	101	95
3.00	112	109	106	110	107	105	107	105	103	96
4.00	114	111	109	112	110	108	108	106	105	98
5.00	115	113	111	113	111	110	109	108	106	99
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

H_b Range:-90 - 90DEG
H_b Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2026-09-07

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE G0-2000A_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:7.000m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:150.14V I:0.1220A P:10.077W PF:0.5503 Freq:50.00Hz Lamp Flux:723.098x1 lm		
NAME: 6449	TYPE:10W-2700K	WEIGHT:
SPEC.:	DIM.: 110*100*85mm	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:24°



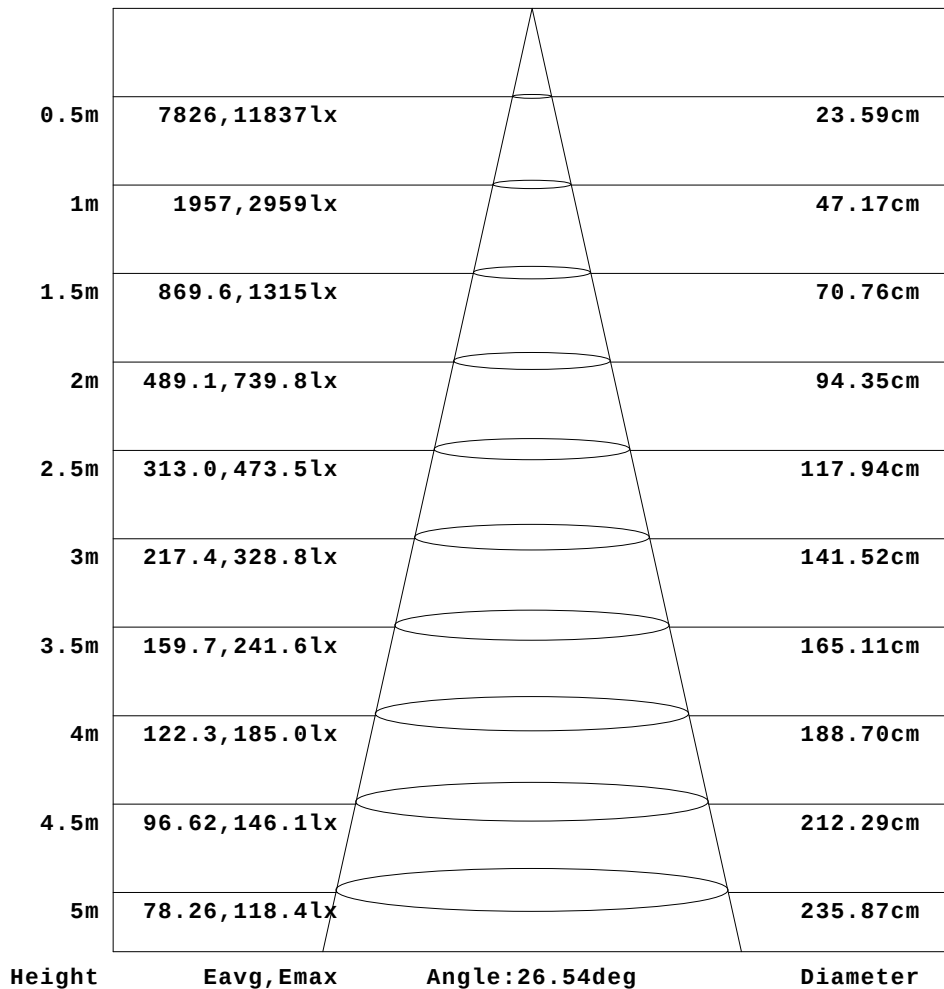
H_(b) Range:-90 - 90DEG
H_(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2026-09-07

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE G0-2000A_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:7.000m [K=1.0000]
Remarks:

AAI Figure

Test:U:150.14V I:0.1220A P:10.077W PF:0.5503 Freq:50.00Hz Lamp Flux:723.098x1 lm		
NAME: 6449	TYPE:10W-2700K	WEIGHT:
SPEC.:	DIM.: 110*100*85mm	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:24°

Flux out:354.3 lm



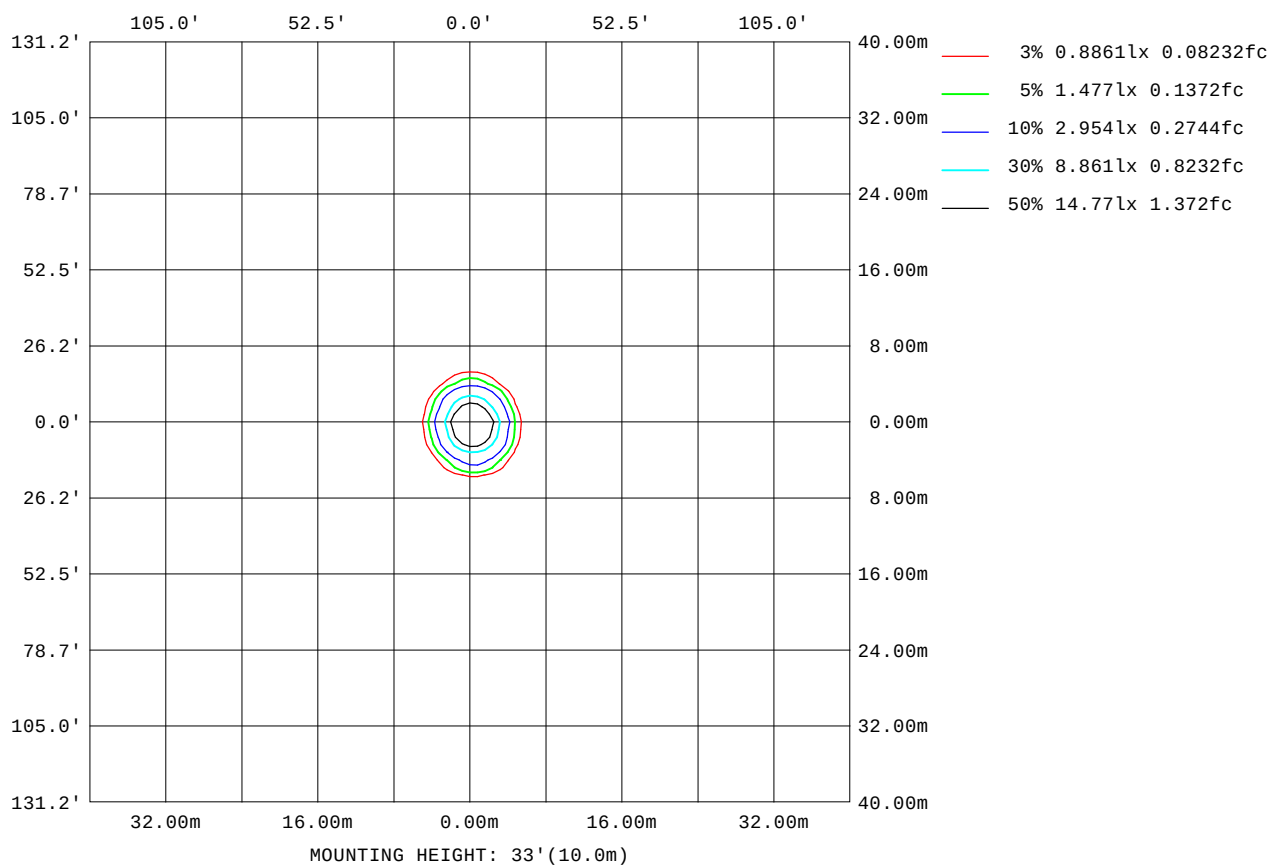
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

H_(b) Range:-90 - 90DEG
H_(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2026-09-07

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE G0-2000A_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:7.000m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

Test:U:150.14V I:0.1220A P:10.077W PF:0.5503 Freq:50.00Hz Lamp Flux:723.098x1 lm		
NAME: 6449	TYPE:10W-2700K	WEIGHT:
SPEC.:	DIM.: 110*100*85mm	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:24°



H_(b) Range: -90 - 90DEG
H_(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2026-09-07

V(B) Range: -80 - 80DEG
V(B) Interval: 5.0DEG
Test System: EVERFINE G0-2000A_V1 SYSTEM V2.00.411
Humidity: 65.0%
Test Distance: 7.000m [K=1.0000]
Remarks:

LED Avg.L Report

Test:U:150.14V I:0.1220A P:10.077W PF:0.5503 Freq:50.00Hz Lamp Flux:723.098x1 lm		
NAME: 6449	TYPE:10W-2700K	WEIGHT:
SPEC.:	DIM.: 110*100*85mm	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:24°

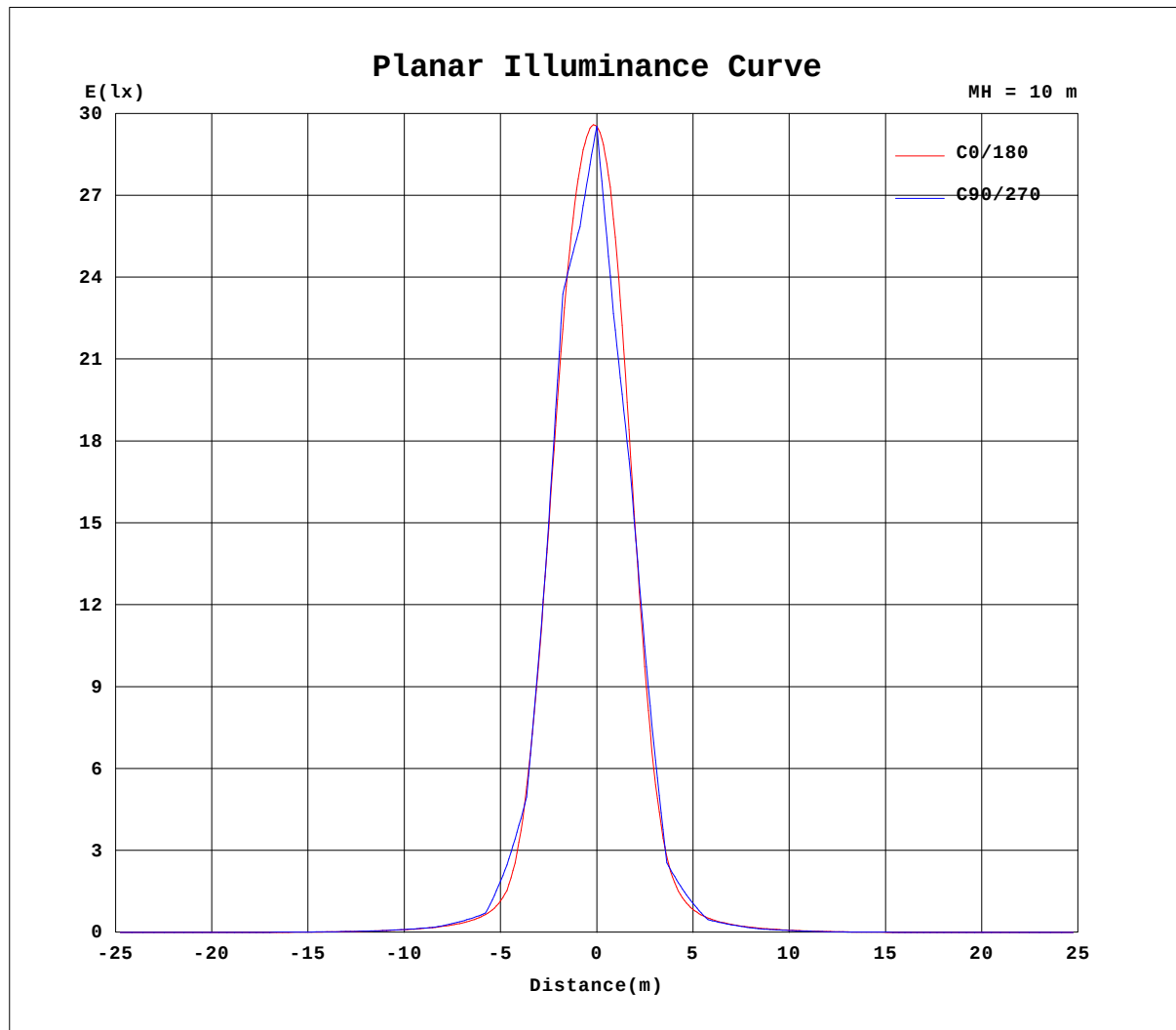
AvgL	cd/m2
L_0~180(65)av	107
L_0~180(75)av	122
L_0~180(85)av	265
L_90~270(65)av	119
L_90~270(75)av	127
L_90~270(85)av	0
L_45(65)av	87
L_45(75)av	113
L_45(85)av	103

Standard: GB/T 29293-2012

H_(b) Range:-90 - 90DEG
 H_(b) Interval: 1.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2026-09-07

V(B) Range:-80 - 80DEG
 V(B) Interval: 5.0DEG
 Test System:EVERFINE G0-2000A_V1 SYSTEM V2.00.411
 Humidity:65.0%
 Test Distance:7.000m [K=1.0000]
 Remarks:

Planar Illuminance Curve



H_b Range: -90 - 90DEG
H_b Interval: 1.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2026-09-07

V(B) Range: -80 - 80DEG
V(B) Interval: 5.0DEG
Test System: EVERFINE G0-2000A_V1 SYSTEM V2.00.411
Humidity: 65.0%
Test Distance: 7.000m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:150.14V I:0.1220A P:10.077W PF:0.5503 Freq:50.00Hz Lamp Flux:723.098x1 lm		
NAME: 6449	TYPE:10W-2700K	WEIGHT:
SPEC.:	DIM.: 110*100*85mm	SERIAL No.:01
MFR.: NORDECOR	SUR.:	Shielding Angle:24°

Table - -1

UNIT: cd

[illegible]

H_(b) Range:-90 - 90DEG
H_(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2026-09-07

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:7.000m [K=1.0000]
Remarks:

